

IN THE CLAIMS:

Please cancel claims 57, 58, 71, 79 and 80 without prejudice or disclaimer.

Please amend the claims as presented below.

49. (Currently Amended) A method of assisting at least one handover for a mobile device in a mobile communication environment with a plurality of access points, ~~characterized by the steps comprising:~~

determining an operational context as a profile of applications being executed in the mobile device before or at the time of pro-active deployment of [[the]] a handover decision mechanism.

proactively deploying [[a]] the handover decision mechanism in relation to the at least one handover and according to an operational context into a subsystem of the mobile communication environment executing the handover;

identifying at least one candidate access point as input to the proactively deployed handover decision mechanism using existing handover mechanisms; and

determining at least one new access point for the mobile device from the at least one candidate access point using the deployed handover decision mechanism such that the at least one new access point supports the applications running on the mobile devices.

50. (Previously Presented) A method according to claim 49, characterized in that it further comprises the step to determine a current position of the mobile device as operational context.
51. (Previously Presented) Method according to claim 50, characterized in that it further comprises the step of predicting a movement of the mobile device as operational context.
52. (Previously Presented) A method according to claim 51, characterized in that the step of predicting a movement of the mobile device is related to a movement path of the mobile device.
53. (Previously Presented) A method according to claim 52, characterized in that the step of predicting a movement of the mobile device is further related to a movement speed of the mobile device.
54. (Previously Presented) A method according to claim 49, characterized in that the profile of applications is related to a group comprising video, still image, audio, text, and speech applications.
55. (Previously Presented) A method according to claim 49, characterized in that the profile of applications is related to a group comprising interactive, point-to-point, one-way and/or multipoint applications.
56. (Previously Presented) A method according to claim 49, characterized in that it further comprises the step of determining the operational context of the mobile device as a profile of at least one mobile device user.
57. (Cancelled)
58. (Cancelled)

59. (Previously Presented) A method according to claim 57, characterized in that candidate access points are ranked according to dynamic criteria.
60. (Previously Presented) A method according to claim 59, *characterized in that* criteria are selected from a group comprising signal strength, bandwidth, supported applications, quality of service, network usage, power consumption.
61. (Previously Presented) A method according to claim 49, characterized in that the handover decision mechanism is deployed into the access point of the mobile communication network
62. (Previously Presented) A method according to claim 49, characterized in that the handover decision mechanism is deployed in the mobile device.
63. (Previously Presented) A method according to claim 49, characterized in that the handover decision mechanism is deployed in access point of the mobile communication environment and in the mobile device.
64. (Previously Presented) A method according to claim 49, characterized in that it further comprises the step of deploying the handover decision mechanism through transfer of code data achieving the determination of the at least one new access point for the mobile device.
65. (Previously Presented) A method according to claim 49, characterized in that it further comprises the step of deploying the handover decision mechanism through transfer of criteria for the at least one new access point.
66. (Previously Presented) A method according to claim 65, characterized in that criteria are described as data structure.

67. (Previously Presented) A method according to claim 49, characterized in that it further comprises the step of un-deploying the handover decision mechanism when it is no more relevant.
68. (Previously Presented) A method according to claim 49, characterized in that the mobile device is a mobile telephone, a personal digital agent, a portable computer or a hybrid.
69. (Previously Presented) A method according to claim 49, characterized in that handover is achieved according to a standard selected from a group comprising GSM, PDC, GPRS, PPP, HSCSD, WLAN, HiperLAN, IrDa, Bluetooth, IS 45, IS 95, IMT 2000.
70. (Currently Amended) A handover assisting apparatus for a mobile device in a mobile communication environment with a plurality of access points, characterized by comprising:
 - an application profile unit adapted to determine an operational context as a profile of applications being executed in the mobile device before or at the time of pro-active deployment of the handover decision mechanism, [[and]]
 - a pro-active deployment unit adapted to pro-actively deploying a handover decision mechanism in relation to the at least one handover and according to [[an]] the operational context into a subsystem of the mobile communication environment executing the handover;
 - a candidate access point determination unit adapted to identify at least one access point using existing handover mechanisms; and
 - an access point determination unit adapted to determine at least one new access point for the mobile device from the at least one candidate access

point using the deployed handover decision mechanism, such that the at least one new access point supports the application running of the mobile device.

71. (Cancelled)
72. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that a context determination unit comprises a position unit adapted to determine a current position of the mobile device as operational context.
73. (Previously Presented) A handover assisting unit according to claim 70, characterized in that a context determination unit further comprises a movement prediction unit adapted to predict a movement of the mobile device as operational context.
74. (Previously Presented) A handover assisting unit according to claim 73, characterized in that the movement prediction unit is adapted to predict a movement of the mobile device according to a movement path.
75. (Previously Presented) A handover assisting unit according to claim 73, characterized in that the movement prediction unit is adapted to predict a movement of the mobile device according to a movement speed.
76. (Previously Presented) A handover assisting unit according to claim 70, characterized in that the application profile unit is adapted to determine the profile of applications in relation to a group comprising video, still image, audio, text, and speech applications.

77. (Previously Presented) A handover assisting unit according to claim 70, characterized in that the application profile unit is adapted to determine the profile of applications in relation to a group comprising a group comprising interactive, point-to-point, one-way and/or multipoint applications.
78. (Previously Presented) A handover assisting unit according to claim 70, characterized in that the context determination unit further comprises an user profile unit adapted to determine the operational context of the mobile device as a profile of at least one mobile device user.
79. (Cancelled)
80. (Cancelled)
81. (Previously Presented) A handover assisting apparatus according to claim 79, characterized in that the candidate access point determination unit is adapted to rank candidate access points according to dynamic criteria.
82. (Previously Presented) A handover assisting apparatus according to claim 81, characterized in that the candidate access point determination unit is adapted to rank candidate access points according to dynamic criteria selected from a group comprising signal strength, bandwidth, supported applications, quality of service, network usage, power consumption.
83. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that the context determination unit further comprises a handover type determination unit adapted to select a handover type.
84. (Previously Presented) A handover assisting apparatus according to claim 83, characterized in that the handover type determination unit is adapted to select a network assisted hand over.

85. (Previously Presented) A handover assisting apparatus according to claim 83, characterized in that the handover type determination unit is adapted to select a mobile device assisted hand over.
86. (Previously Presented) A handover assisting apparatus according to claim 83, characterized in that the handover type determination unit is adapted to select a combined network assisted and mobile device assisted hand over.
87. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that the proactive deployment unit is adapted to deploy the handover decision mechanism through transfer of code data achieving the determination of the at least one new access point for the mobile device.
88. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that the proactive deployment unit is adapted to deploy the handover decision mechanism through transfer of criteria for the at least one new access point.
89. (Previously Presented) A handover assisting apparatus according to claim 88, characterized in that the proactive deployment unit is adapted to transfer criteria according to a data structure.
90. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that the proactive deployment unit is adapted to un-deploy the handover decision mechanism when it is no more relevant.
91. (Previously Presented) A handover assisting apparatus according to claim 70, characterized in that handover is assisted according to a standard selected from a group comprising GSM, PDC, GPRS, PPP, HSCSD, WLAN, HiperLAN, IrDa, Bluetooth, IS 45, IS 95, IMT 2000.

92. (Previously Presented) A computer program product directly loadable into the internal memory of a mobile communication unit, comprising software code portions for performing the steps of claim 49 when the product is run on a processor of the mobile communication unit.